UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.

: 6.993,755 B1

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INVENTOR(S)

: David M. Ungar

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 10, line 5, the bar after $T_{tot}(x)$ should be lengthened, i.e.,

$$T_I E(0) - T_{tot}(x)\Big|_{x=x_{tot}} = (T_I - T_E) \Big[E(\beta) - \beta \overline{F}(\beta) \Big];$$

In column 11, lines 11 and 12, $x\overline{F}(x)$ should not be separated, it should be kept together on one line;

In column 11, line 16, replace "E" with --E:--;

In column 11, line 26, replace " βf ", with -- βf --

In column 11, line 32, the bar after (x) (both occurrences) should be lengthened, i.e.,

$$\left\{ Speedup'_{imperfect}(x) \right\}_{x=x_{out}} = 0 \right\} \wedge \left\{ Speedup''_{imperfect}(x) \right\}_{x=x_{out}} < 0 \right\};$$

In column 11, lines 32-35, the carats are grossly oversized. Please correct as indicated:

$$\begin{cases}
Speedup'_{impurfect}(x)|_{x=x_{opt}} = 0 \\
Af(x_{opt}) - \overline{F}(x_{opt}) = 0 \\
Af(x_{opt}) - \overline{F}(x_{opt}) = 0
\end{cases} \wedge \left\{ f'(x_{opt}) + f(x)_{opt} < 0 \right\} \\
\left\{ \frac{f(x_{opt})}{\overline{F}(x_{opt})} = \frac{1}{\beta} \right\} \wedge \left\{ f'(x_{opt}) < \frac{-f(x)_{opt}}{\beta} \right\}$$

In column 12, line 8, replace " \overline{F} " "with -F'---

Signed and Sealed this

Third Day of October, 2006

JON W. DUDAS Director of the United States Patent and Trademark Office